

## Abstract

### Cellular communications network with search function

A cellular communications network has a large number of communications cells each with at least one base station for cordless communication with a large number of mobile telephones (5) and a home location register (3) for registering the mobile telephones. According to the invention, mobile telephones (5) can be switched to a passive mode, in which they are not recognizable as normal network subscribers and detect only a specific search signal for the particular mobile telephone (5), and then send a response signal. Mobile telephones in the passive mode are stored in a memory (4) in the home location register (3). The base stations (2) are designed to emit a mobile-telephone-specific search signal of this nature, the position of the sought mobile telephone (5) being determined as a result of response signals detected by the base stations (2).

(Figure 1)